

CLAIMS

1. A robot system comprising a robot, and at least one apparatus which is driven by a servomotor and carries out operation in cooperation with the robot, wherein the robot system further comprises:

a detection unit for detecting operator's approach to the specified apparatus including at least one apparatus which carries out operation in cooperation with the robot or operator's entry to an off-limit region set for the specified apparatus, provided for each specified apparatus;

a unit for connecting/interrupting power supply to the servomotor which drives the specified apparatus, provided for each specified apparatus;

an emergency stop unit for receiving a notice of operator's approach or entry from the detection unit to bring the robot system into an emergency stopped state; and

a unit for monitoring, for each specified apparatus, a connection/interruption state of power supply to the servomotor which drives the specified apparatus, and canceling the notice from the detection unit to the emergency stop unit, for the specified apparatus to which power supply is interrupted.

2. The robot system according to claim 1, wherein the specified apparatus further includes the robot.